

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B01D53/94 F01N3/28 B01J37/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B01D F01N B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/001782 A1 (KUMAR ET AL) 1 January 2004 (2004-01-01) page 5, paragraph 74 – page 5, paragraph 77 page 8, paragraph 98 – page 8, paragraph 99 example 1	1-11
A	----- WO 01/74476 A (ENGELHARD CORPORATION) 11 October 2001 (2001-10-11) page 7, line 4 – page 8, line 16 page 19, line 1 – page 20, line 16	12-14
A	----- US 5 510 086 A (HEMINGWAY ET AL) 23 April 1996 (1996-04-23) column 1, line 25 – column 2, line 64	12-14
A	----- US 5 510 086 A (HEMINGWAY ET AL) 23 April 1996 (1996-04-23) column 1, line 25 – column 2, line 64	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

26 May 2005

Date of mailing of the international search report

02/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

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Doolan, G

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2004001782	A1	01-01-2004	US	2004001781 A1		01-01-2004
			AU	2003243777 A1		19-01-2004
			EP	1519786 A2		06-04-2005
			WO	2004002621 A2		08-01-2004
WO 0174476	A	11-10-2001	US	6375910 B1		23-04-2002
			AU	4008501 A		15-10-2001
			EP	1265691 A1		18-12-2002
			JP	2003531717 T		28-10-2003
			WO	0174476 A1		11-10-2001
US 5510086	A	23-04-1996	EP	0737505 A1		16-10-1996

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